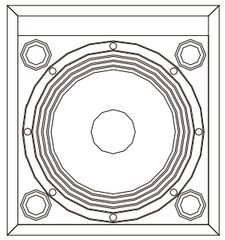
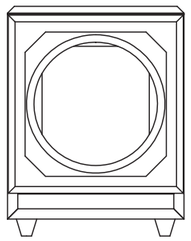
Theater Solutions

Owner's Manual

SUB8D/8F/10D/10F/12D/12F
Active Subwoofer



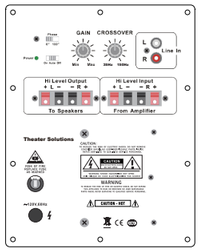


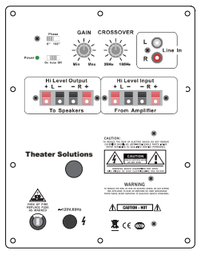
About Subwoofers

Subwoofers extend the bass response of your system beyond the limitation of most speakers. They are used with, not in place of, your existing left and right speakers. A subwoofer can dramatically enhance a stereo TV, a stereo system, or a full fledged home theater.

Features

This active subwoofer features a highly efficient ported enclosure, a reinforced driver and an amplifier with a passive low frequency crossover network. A line level input is provided for fast and easy connection to virtually any system.





Using the Controls

Power

The subwoofer is off in the "OFF" position, on in the "ON" position and is activated upon receiving a signal in the "AUTO" position.

Phase

The subwoofer has phase switch 0°and 180°

Gain

The control adjusts the volume of the subwoofer. Once set, the volume control should not require further adjustment. Begin with the volume control at the minimum position. Slowly increase the volume until you can hear the subwoofer. A subwoofer playing too loud can give your system a muddy sound, so be sure to balance the subwoofer carefully with your other speakers.

Output volume is relative and can be different from location to location. Always return to the normal listening location to evaluate any setting changes.

Crossover

The crossover frequency control determines the highest frequency at which the subwoofer reproduces sounds. It can be adjusted from 50Hz to 150Hz for 8",and 25Hz to 150Hz for 10"&12".

Placement Guidelines

Prior to installing your new subwoofer, please consider the following guidelines. Placing the subwoofer near a wall or in a corner will greatly increase its bass response. As frequencies reproduced by subwoofers are long and need room to propagate, a subwoofer placed near the listening position will not sound as full as one placed farther away. Please be careful about placing anything directly on top of your subwoofer, as the vibrations of the speaker cabinet could cause these items to fall.

Connecting the subwoofer

The following diagrams show four of the most common types of subwoofer connections.

Hi Level In

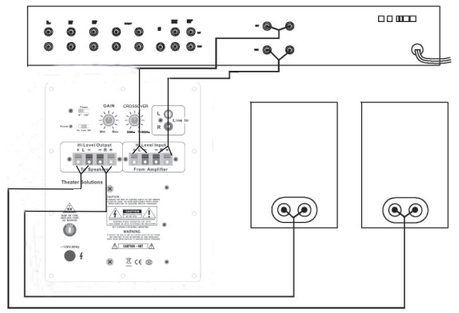
These inputs are designed to accept an amplified signal from the speaker outputs of a receiver, power amp or other device not equipped with line level outputs.

Hi Level Out

The original amplified signal from your source is present at these outputs, for connection to the existing left and right speakers.

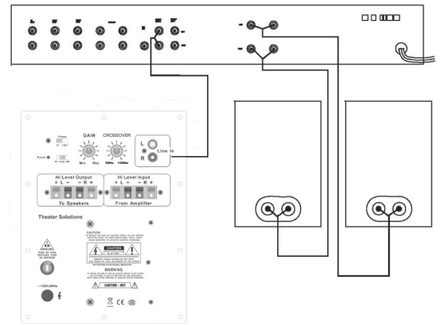
Line In

The RCA-type jack of your Subwoofer is designed to accept a line level signal from a receiver, pre-amp, surround sound decoder, television or similar device. When using a single line level output from another unit, a Y connector should be used to send the signal to both the left and right inputs.



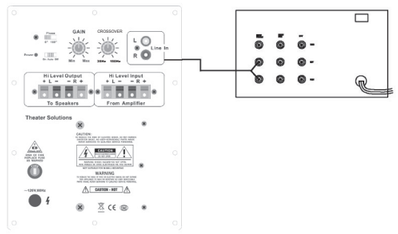
Hi Level Connections

Here the signal is already amplified as it leaves the receiver/amplifier. The speaker terminals of this unit are connected to the hi level inputs of the Subwoofer. The left and right speakers receive the original amplified signal from the Subwoofer hi level outputs.



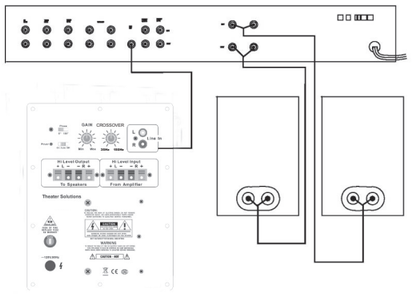
Line Level Connections

In this example, the pre-amp outputs of a stereo receiver are connected to the Subwoofer line inputs.



Television Enhancement

Many newer television sets are equipped with variable Stereo outputs. The signal available at these outputs varies with the television volume. In this situation, these variable audio outputs can be connected directly to the Subwoofer line inputs to enhance the bass response of the television's built-in speakers.



Dedicated Subwoofer Connections

Many surround sound decoders, home theater processors and audio/video receivers are equipped with a dedicated subwoofer line output. In this case, the signal is already processed and does not need to return to the system or other speakers. Connect this line output to the line inputs of the Subwoofer. A Y connector should be used to feed this single output to both the left and the right line inputs.

Specifications

8"Active Subwoofer

Amplifier Power Output……..250 Watts(Max)	Functions……Power(ON, AUTO, OFF)
Frequency Response ……..50Hz - 150 Hz	Input……Hi Level (Speaker), Line(RCA)
Driver ……8" Reinforced	Variable Crossover…… .50Hz-150Hz

10"Active Subwoofer

Amplifier Power Output……..350 Watts(Max)	Functions……Power(ON, AUTO, OFF)
Frequency Response ……..25Hz - 150 Hz	Input……Hi Level (Speaker), Line(RCA)
Driver ……10" Reinforced	Variable Crossover…… .25Hz-150Hz

12"Active Subwoofer

Amplifier Power Output……..500 Watts(Max)	Functions……Power(ON, AUTO, OFF)
Frequency Response ……..25Hz - 150 Hz	Input……Hi Level (Speaker), Line(RCA)
Driver ……12" Reinforced	Variable Crossover…… .25Hz-150Hz

Design and specifications are subject to change without notice.